

## Release Notes

# hp StorageWorks Business Copy EVA/MA/EMA v2.2.2 Host Agent for HP-UX Patch

**Product Version:** 2.2.2

First Edition (April 2004)

**Part Number:** AA-RV28B-TE

The HP StorageWorks “Business Copy (BC) for enterprise virtual array (EVA), modular array (MA), and enterprise modular array (EMA)” is the new name for the “Enterprise Volume Manager (EVM)” software. This document describes procedures for downloading and installing the BC 2.2.2 HP-UX patch as well as summarizes features and characteristics of the BC 2.2.2 HP-UX patch.

For the latest version of these Release Notes and other Business Copy documentation, access the HP storage web site at: <http://www.hp.com/country/us/eng/prodserv/storage.html>.



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## About this document

This section describes the content reflected in this document, including:

- [Release Notes information](#), page 3
- [Intended audience](#), page 3
- [Other Business Copy documentation](#), page 3

## Release Notes information

These Release Notes cover the following major topics:

- [Issues addressed in this patch](#), page 4
- [HP-UX patch installation overview](#), page 5

## Intended audience

This document is intended for customers who are running BC v2.2, and for HP authorized service providers responsible for installing, configuring, and maintaining systems that include BC software.

## Other Business Copy documentation

The *HP StorageWorks Business Copy EVA/MA/EMA 2.2.2 Host Agent Patch for HP-UX Release Notes* is the only available documentation supporting the BC Host Agent Patch.

In addition to this guide, HP provides corresponding information:

- Online Help/User Guide (accessible via the Web browser interface)
- *HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*<sup>1</sup> (T3032-96101).

Additional documentation, including white papers and best practices documents, are available via the HP web site at: <http://www.hp.com>.

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1. Hereafter referred to as BC Network Administration Guide.

## Issues addressed in this patch

This section addresses issues corrected with the BC host agent patch. Issues addressed include the following topics:

- [Unmount of two or more raw logical volumes fails](#), page 4

### Unmount of two or more raw logical volumes fails

*Description:* BC jobs may fail or hang for an extended period of time if they involve unmounting a volume group that contains two or more raw logical volumes.

*Error* The BC job may hang during undo or may fail with the error message:

*Indication:* Device with matching mountPoint and LUNWWID(s) NOT found in persistedUnitList, Unmount aborted.

*Applies:* This problem affects the BC v2.2 host agent running on HP-UX 11.11 and 11.23.

*Resolution/* The root cause of this problem has been addressed in the v2.2.2 patch release.

*Workaround:* Unmount operations now support up to 64 raw logical volumes per group.

## HP-UX patch installation overview

Complete the following procedures to download and install BC 2.2.2 patch.

- [Verifying the host agent configuration](#), page 5
- [Downloading the patch](#), page 5
- [Coordinating Business Copy update activities](#), page 6
- [Installing the patch](#), page 6

### Verifying the host agent configuration

This patch can be applied only to version 2.2. Before proceeding:

1. Browse to the BC GUI and click the **Logs** button. The **Logs** page displays.
2. Select the log file that corresponds to the host to be patched, for example “hpuxhost10.host.txt”.
3. Click the **Show** button. The log file opens in a window.
4. The last line of the log file indicates the installed host agent.

```
<HI><version>V2.2</version><build>41</build></HI>
```

If the version is not 2.2, do not install the patch.

### Downloading the patch

The BC Windows patch is only available by download from the Business Copy product website. The HP StorageWorks Business Copy EVA/MA/EMA 2.2.1 - Patch download file contains patches for the BC Server, BC Host Agent for Windows, and BC Host Agent for HP-UX.

1. Visit <http://h18000.www1.hp.com/products/storage/software/bizcopyeva/index.html>.
2. Click **software and drivers**.
3. Under **tasks for your selected product:**, click **download drivers and software**.
4. Click **Business Copy Upgrade UI EVA 2.2 Med/Doc Kit**.
5. Click the desired operating system from the list provided.
6. Click the **download** button for **HP StorageWorks Business Copy EVA/MA/EMA 2.2.1 - Patch**.

## Coordinating Business Copy update activities

Before installing the HP-UX patch, ensure that:

- BC host agent update activities have been coordinated with BC users.
- The BC host agent version being updated is compatible with the BC server for this BC network.
- No BC jobs are running or “undoing” or are scheduled to run or “undo” during the patch installation
- The BC server that supports the BC host agent installation is updated before updating the BC host agent.
- The BC server is running while updating the BC host agent.



**Caution:** If not properly planned and coordinated, updating the BC host agent can result in reduced operational capabilities and failure of BC jobs.

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## Installing the patch

BC provides two installation methods for HP-UX: command console and GUI.

### Command console installation method

Complete the following procedure to install the BC patch.

---

**Note:** During the installation procedure, press **Enter** to choose the default response. To return to a previous step, enter `back`. To exit the installation script at any time, enter `quit`.

Also press **Enter** as necessary to scroll through lengthy text screens.

---

1. Enter `# sh ./bc_2_2_2_hpux_ha_update.bin` to start the installation script.  
General information displays as the installation script unpacks, followed by BC-specific information (see [Figure 1](#) on page 7)

```
# sh ./bc_2_2_2_hpux_ha_update.bin
Preparing to install...
Extracting the JRE from the installer archive...
Unpacking the JRE...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

Preparing CONSOLE Mode Installation...

=====
Business Copy EVA/MA/EMA Host Agent Update v2.2.2(created with
InstallAnywhere by Zero G)
=====

=====
Introduction
=====

InstallAnywhere will guide you through the installation of HP StorageWorks
Business Copy (BC).

.
.
.

PRESS <ENTER> TO CONTINUE:
```

**Figure 1: Initiating the installation script**

2. Press **Enter** to continue.
3. Carefully review the BC license agreement.

```
=====
License Agreement
=====

Installation and use of the Business Copy 2.2.2 update requires acceptance
of the following License Agreement.

.
.
.

DO YOU ACCEPT THE TERMS OF THIS LICENSE AGREEMENT (Y/N):
```

**Figure 2: License Agreement**


---

**Note:** To continue installing the BC patch, the terms in the agreement must be accepted.

---

4. Enter `y` or `yes` to agree to these terms and continue the installation: enter `n` or `no` to exit the installation script.
5. Review the pre-installation summary.

```
=====
Pre-Installation Summary
-----

Please Review the Following Before Continuing:

Product Name:
    Business Copy EVA/MA/EMA Host Agent Update v2.2.2

Install Folder:
    /opt/CPQevm/bin

Disk Space Information (for Installation Target):
    Required: 2,089,765 bytes
    Available: 123,456,789,123

PRESS <ENTER> TO CONTINUE:
```

**Figure 3: Pre-Installation Summary**

6. Press **Enter** to continue; enter `quit` to exit the installation.  
The BC host agent patch installation takes place.

```
=====
Installation Complete
-----

Congratulations. Business Copy EVA/MA/EMA Host Agent Update v2.2.2 has been
successfully installed to:

    /opt/CPQevm/bin

PRESS <ENTER> TO EXIT THE INSTALLER:
```

**Figure 4: Installation Complete**

7. Press **Enter** to complete the installation.  
The BC patch is now installed.

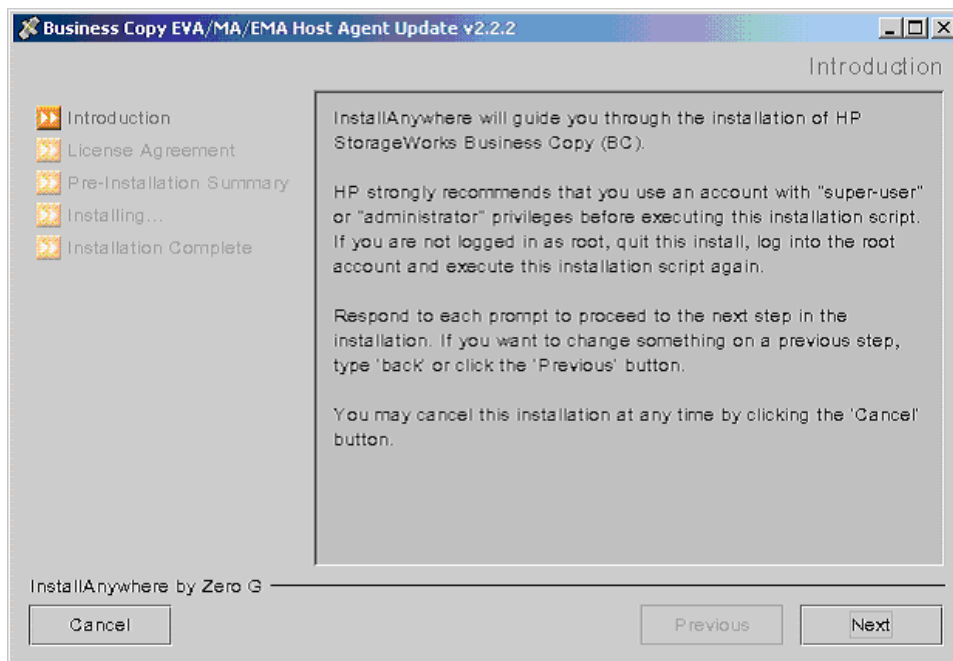
## GUI installation method

Complete the following procedure to install the BC patch.

1. Enter `./bc_2_2_2_hpux_ha_update.bin -i gui` to start the installation script.



An auto-run feature begins, extracting the BC host agent files to a default temporary folder on the host computer. After the files are extracted, setup begins.



**Figure 5: Introduction**

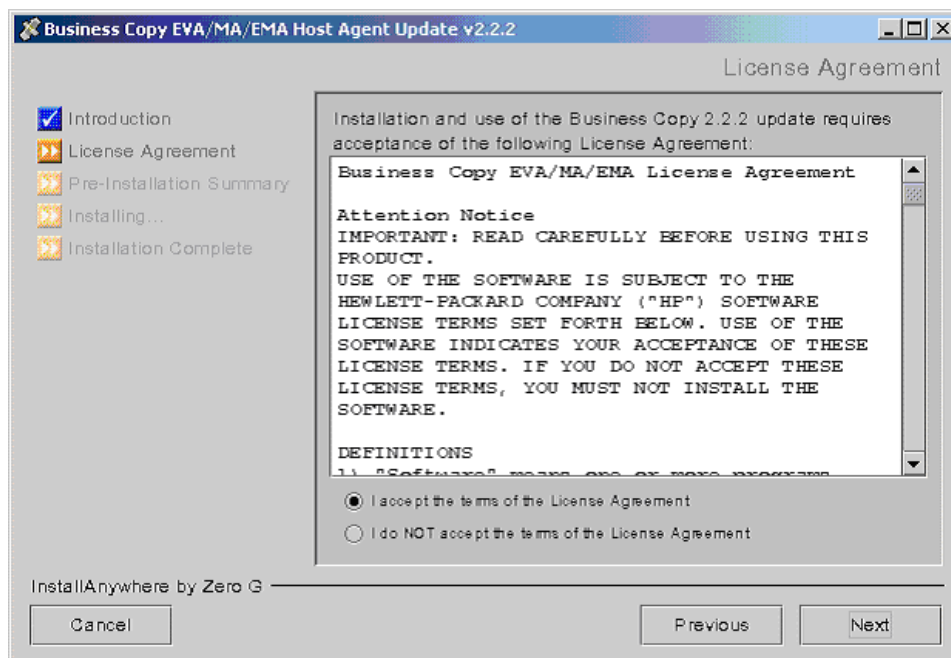
2. Click Next.

---

**Note:** Click **Cancel** at any time during the installation to exit the installation.

---

3. The BC License Agreement window displays. Carefully review the BC License Agreement before continuing with the installation (see [Figure 6](#) on page 10).

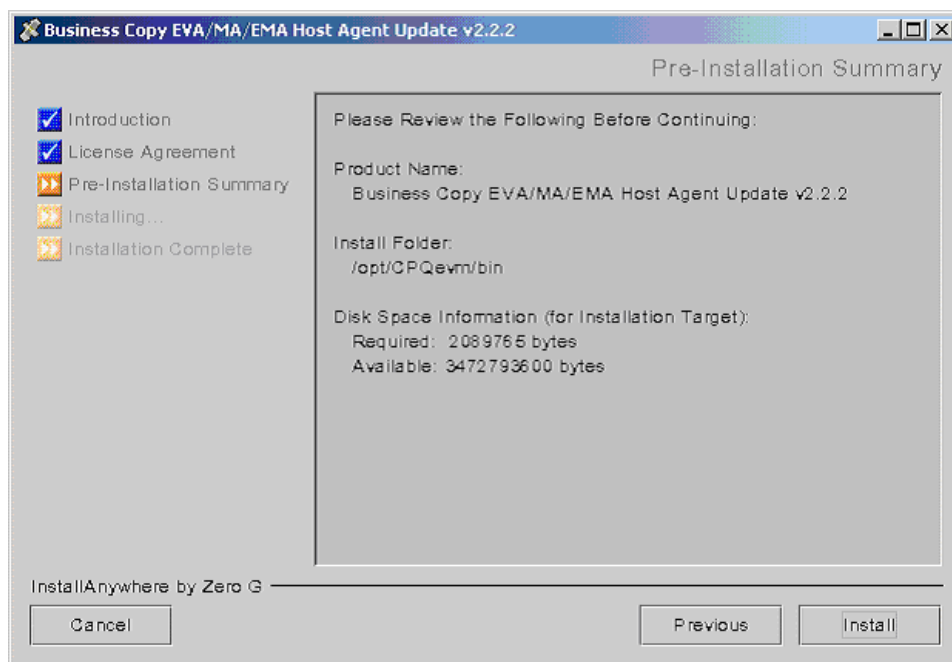


**Figure 6: License Agreement**

**Note:** To continue installing the BC patch, the terms in the agreement must be accepted.

4. Click **I accept the terms of the License Agreement** to continue the installation.
5. Click **Next**.

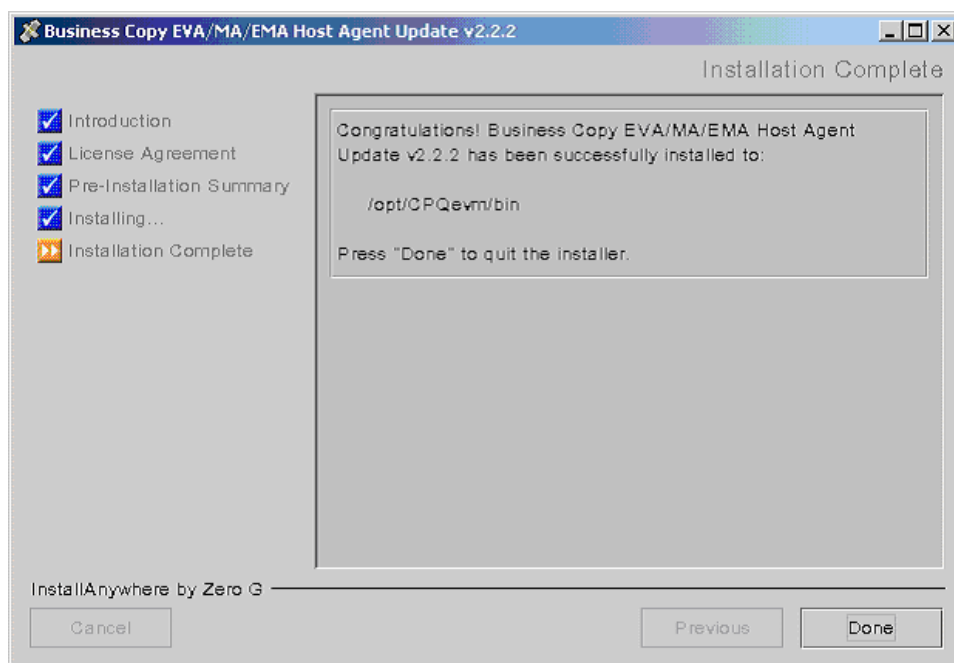
The Pre-installation Summary displays.



**Figure 7: Pre-Installation Summary**

- Click **Install** if the pre-installation summary information is *correct*; click **Previous** or **Cancel** if the pre-installation summary information is *incorrect*.

An installation window briefly displays as the BC patch software installs. Following a successful installation, [Figure 8](#) on page 12 displays.



**Figure 8: Installation Complete**

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**Note:** The installation script automatically starts the BC daemons. To manually stop and start the BC daemons, refer to the BC Network Administration Guide for details.

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7. Click **Done**.

The BC patch is now installed.